

Title (en)

System for the control of pulses of the hydraulic pressure and power in a reaction hydraulic turbine

Title (de)

Steuereinrichtung für die Druck- und Leistungsschwankungen in hydraulischen Reaktionsturbinen

Title (fr)

Système de contrôle des pulsations de pression et de puissance dans les turbines hydrauliques à réaction

Publication

EP 0571690 B1 19970305 (EN)

Application

EP 92830264 A 19920527

Priority

EP 92830264 A 19920527

Abstract (en)

[origin: EP0571690A1] An elastic sleeve (10) placed at the end of the elbow (8) of the diffuser (7) of a Francis turbine causes a first elastic variation to the volume of the diffuser under hydraulic pressure and a controlled injection of air (A) downstream of said elastic sleeve (10) causes a second elastic variation in the volume of the diffuser to obtain an adjustment of the effect of said first variation. <IMAGE>

IPC 1-7

F03B 11/00; **F03B 11/02**

IPC 8 full level

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CPC (source: EP)

F03B 3/02 (2013.01); **F03B 11/002** (2013.01); **Y02E 10/20** (2013.01)

Cited by

US9410538B2; US10323620B2; WO2013160617A3; WO2014147300A1

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